

HP StorageWorks

Novell NetWare connectivity 3.0G for the EVA3000/EVA5000 Enterprise Virtual Array release notes

Legal and notice information

Copyright © 2003-2005 Hewlett-Packard Development Company, L.P.

Hewlett-Packard Company makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Hewlett-Packard shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

This document contains proprietary information, which is protected by copyright. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of Hewlett-Packard. The information contained in this document is subject to change without notice.

Hewlett-Packard Company shall not be liable for technical or editorial errors or omissions contained herein. The information is provided "as is" without warranty of any kind and is subject to change without notice. The warranties for Hewlett-Packard Company products are set forth in the express limited warranty statements for such products. Nothing herein should be construed as constituting an additional warranty.

Novell NetWare connectivity 3.0G for the EVA3000/EVA5000 Enterprise Virtual Array release notes

About this document

This document includes the following topics:

- Release notes information
- Intended audience

Release notes information

These release notes cover the following topics:

- New features
- EVA storage system
- EVA compatibility
- Operating constraints
- Storage System Scripting Utility for EVA
- Avoiding problem situations

Intended audience

This document is intended to assist customers who purchased the HP StorageWorks Enterprise Virtual Array (EVA) for use with the Novell NetWare operating system.

This document is also intended for use by HP customer service personnel responsible for installing and maintaining devices connected to the EVA storage system.

New features

The following are major enhancements included in the V3.0G release:

- HBA Ham Driver 6.51.2(b) is included
- Support provided for Virtual Controller Software (VCS) 3.025

EVA storage system

This document contains the most recent product information about operating the EVA on a system running Novell Netware software.

EVA documentation

A complete library of EVA and related documentation is available at the following web sites.

<http://www.hp.com/go/eva5000>

<http://www.hp.com/go/eva3000>

Support release information

The latest product support release information and downloads for storage products are available at the following web site.

<http://h18006.www1.hp.com/storage/index.html>

Supported configurations

Supported configurations are described in the *Enterprise Virtual Array QuickSpecs*, available at the following web sites:

<http://h18006.www1.hp.com/products/storageworks/eva3000/specifications.html>

<http://h18006.www1.hp.com/products/storageworks/eva5000/specifications.html>

The *HP StorageWorks SAN design reference guide* is a detailed guide for SAN configurations and is available at the following web site.

<http://h18004.www1.hp.com/products/storageworks/san/documentation.html>.

EVA compatibility

Table 1 lists the operating system's specifications.



NOTE:

Table 1 contains current minimum-level operating system specifications at the time of the EVA V3.025 release. Some component versions may change due to revision. For the latest information, go to: <http://h18006.www1.hp.com/storage/index.html>

Table 1 Operating system specifications

OS version	Clustering	FCA (HBA)	Adapter firmware (minimum)	Adapter driver version (minimum)
5.1 ^a	1.01	FCA2210 FCA2214	1.34	6.51b
6 ^b	1.6	FCA2210 FCA2214	1.34	6.51b
6.5 ^c	1.7	FCA2210 FCA2214	1.34	6.51b

^aRequires Service Pack 7

^bRequires Service Pack 4

^cRequires Service Pack 2

Switch support

This version supports the Fibre Channel switches and firmware versions listed in the *HP StorageWorks SAN design reference guide*, available at:

<http://h18000.www1.hp.com/products/storageworks/san/documentation.html>



NOTE:

HP recommends that you do not mix switch firmware versions in your SAN. It is considered a best practice to uniformly upgrade all switches in the SAN.

Multiple-path support

Novell NetWare with EVA storage requires the installation of StorageWorks Secure Path on each host to achieve high-availability multiple path capability.

Single-path support

Novell NetWare servers require a single FCA to support single-path mode.



NOTE:

Single-path mode should not be used in mission critical environments.

Server support

All Novell NetWare certified servers are supported.

HBA drivers

Find and download the latest HBA drivers supported by HP for storage arrays at:

<http://h18006.www1.hp.com/products/storageworks/fca2210/index.html>

Operating constraints

Any operating constraints specific to the EVA hardware and Command View EVA can be found in their respective release notes.

Failover/failback

Failback preference settings for the HSV controllers are specific to the operating system. Refer to the HP StorageWorks Enterprise Virtual Array release notes for details.

Storage System Scripting Utility for EVA

The Storage System Scripting Utility (SSSU) communicates directly with the Command View EVA. Refer to the *Command View EVA release notes* prior to using the SSSU.

Avoiding problem situations

The following sections describe problems that may arise and their solutions.

Known problems

You can find problems specific to the EVA and Command View EVA in their respective release notes.

SSSU

Changing comments on a disk enclosure

You cannot use the SSSU to change comments on a disk enclosure. Use Command View EVA to change comments on a disk enclosure. If you try to change a disk enclosure comment using the SSSU, the following error message appears:

```
Error: Invalid Operation
```

Changing the name of a disk enclosure

Changing the name of a disk enclosure is not supported with the SSSU or with Command View EVA. If you try to change a disk enclosure name using the SSSU, the following error message appears:

```
Error: Invalid Operation
```

Using the proper service pack with the SSSU

Ensure that the required service pack is installed if you are using `sssunlm.nlm` on Novell NetWare. Otherwise, a critical failure occurs on the second run. Refer to [Table 1](#) for a list of Novell NetWare service packs.

Using snapshot or snapclone

When you create a snapshot or snapclone with Novell NetWare, the LUN is recognized by the NetWare host. However, if you present the LUN to the host, you cannot access it. To avoid this problem, present the snapshot/snapclone to a different host.

For example, suppose you have a unit presented on NetWare Host A and would like to make a snapshot or snapclone of it. If you present this new unit to NetWare Host A, it sees it. However, because the new unit is identical to an existing unit, the host assumes that the two units are a broken software mirrorset. NetWare deactivates both devices and informs you that there is a possible broken mirrorset. However, if you present the snapshot/snapclone unit to NetWare Host B, you can access the new unit on that host.

You may also choose to present the snapshot/snapclone to a host at a later time, or not at all.